SRI LANKA SUSTAINABLE ENERGY AUTHORITY

Selecting the Suppliers for Sunithyaloka Programme To Provide off- grid solar home systems

NO: SEA/RE/04/01/2014/Pro-03

Sri Lanka Sustainable Energy Authority
Block 05, 1st floor
BMICH, Bauddaloka Mawatha
Colombo 07

Tel: 0112677445
Fax: 0112682534,
Email: info@energy.gov.lk

SRI LANKA SUSTAINABLE ENERGY AUTHORITY

Identification No: RE/04/01/2014/Pro - 02

Selecting the suppliers for Sunithyaloka programme to provide off- grid solar home systems

Bidder's Name :.....
(Issued To) .....
Address :.....
Tel. :.....
Fax. :.....

Date : .....
Bid No : .....

....
Issued Officer Seal

BIDDING DOCUMENT

Selecting suppliers for Sunithyaloka programme to provide off- grid solar home systems

INVITATION FOR BIDS

SRI LANKA SUSTAINABLE ENERGY AUTHORITY

IDENTIFICATION NO: SEA/RE/04/01/2014/Pro - 3

1. The Chairman, Procurement Committee on behalf of Sri Lanka Sustainable Energy Authority (**SLSEA**) invites sealed bids from eligible and qualified bidders for supplying, delivering, installing, commissioning and maintenance of 1200 off grid solar home systems under Sunithyaloka programme.

2. Bidding will be conducted through the National Competitive Bidding Procedure and selected prospective suppliers (maximum five) are eligible for entering to the Sunithyaloka programme according to the SLSEA requirements.
3. Bid documents may be inspected at free of charge and bidder may obtain further information and clarifications from SLSEA or Engineer (Renewable Energy) over the telephone number 011-267-7445/ 0715344175 or facsimile number 011-268-2534/ 011-2682969 or e-mail: **sooriyakumara@energy.gov.lk**, during normal office hours (**0830-1615**). Bid documents are published through **SLSEA web site www.energy.gov.lk** for perusal only.
4. A complete set of Bidding Documents in English language are issued free of charge to interested bidders on the submission of a written application on a business letter head to **Head (Support Service), HR & Administration Division, Sri Lanka Sustainable Energy Authority, 3G-19, BMICH, Colombo 07 from 2 July 2014 until 25 July 2014** during normal working days from **0900 hrs to 1500 hrs.**
5. The sealed bids marked **"Sunithyaloka programme"** on the top left hand corner of the envelop may be deposited in the tender box placed at the **HR & Administration Division of SLSEA** or could be sent by registered post to reach the **Head (Support Service), HR & Administration Division, Sri Lanka Sustainable Energy Authority, 3G - 19, Colombo 07 on or before 28 July 2014 at 1400 hrs**. Late bids will be rejected. Bids will be opened soon after the closing time at following place in the presence of the bidder's representatives who choose to attend.
6. A pre-bid meeting will be held on **14 July 2014 at 1030 hrs** at the address given below. All bidders are requested to be present at this meeting. The cost of visiting the meeting shall be at the bidder's own expense.

Chairman, Board Procurement Committee
Sri Lanka Sustainable Energy Authority
Block 05, 1st Floor, BMICH
Colombo 07

27 June 2014 •**Closing date & time: 28 July 2014 @ 1400 hrs**

සුනිත්‍යාලෝක වැඩසටහන යටතේ ජාලගත නොවන ගෘහස්ථ සූර්යබල පද්ධති සැපයීමට සැපයුම්කරුවන් තෝරා ගැනීම සඳහා ලංසු සඳහා කෙරෙන ආරාධනයයි

ශ්‍රී ලංකා සුනිත්‍ය බලශක්ති අධිකාරිය

ප්‍රසම්පාදන අංකය SEA/RE/04/01/2014/Pro – 3

01. ශ්‍රී ලංකා සුනිත්‍ය බලශක්ති අධිකාරිය වෙනුවෙන් ප්‍රසම්පාදන කමිටු සභාපති විසින් සුදුසුකම් සපුරාලන ලද ලංසු කරුවන්ගෙන් සුනිත්‍යාලෝක වැඩසටහන සඳහා ජාලගත නොවන ගෘහස්ථ සූර්යබල පද්ධති 1200 සැපයීම, ස්ථානගත කිරීම, ක්‍රියාත්මක කිරීම සහ පවත්වා ගැනීමට මුද්‍රා තැබූ ලංසු සඳහා ආරාධනා කෙරේ.

02. ජාතික තරඟකාරී ලංසු ක්‍රියාවලිය අනුගමනය කරමින් ලංසු කැඳවනු ලබන අතර සුදුසුකම් ලැබූ සැපයුම්කරුවන් අතරින් 5 දෙනෙකු සුනිත්‍යාලෝක වැඩසටහන සඳහා තෝරාගනු ලැබේ.

03. ශ්‍රී ලංකා සුනිත්‍ය බලශක්ති අධිකාරියේ පුනර්ජනනීය බලශක්ති අංශයට සතියේ වැඩකරන දිනවල සාමාන්‍ය කාර්යාල වේලාව (පෙ ව 8.30- ප. ව 4.15) තුල පැමිණ ලංසු ලේඛණ නොමිලයේ පරීක්ෂා කිරීමට හැකි අතර වැඩිදුර විස්තර හෝ පැහැදිලි කිරීම් සඳහා ඉංජිනේරු (පුනර්ජනනීය බලශක්ති) මහතා දුරකථන අංක 0112677445/0715344175, දුරලියවනය 0112682534 හෝ විද්‍යුත් ලිපිනය sooriyakumara@energy.gov.lk ඔස්සේ සම්බන්ධ වෙමින් ලබා ගත හැකිය. ලංසු ලේඛන www.eneregy.gov.lk යන වෙබ් අඩවියට පැමිණීමෙන්ද කියවා බැලිය හැකිය.

04. මේ සඳහා උනන්දුවක් දක්වන ලංසු කරුවන්ට නොමිලේ නිකුත් කරනු ලබන ඉංග්‍රිසි මාධ්‍යයෙන් මුද්‍රිත සම්පූර්ණ ලංසු කැඳවීමේ ලේඛණ අංශ ප්‍රධානී (සහාය සේවා), පරිපාලන අංශය, ශ්‍රී ලංකා සුනිත්‍ය බලශක්ති අධිකාරිය, 3G - 19, BMICH, බෞද්ධාලෝක මාවත, කොළඹ 07 යන ලිපිනයට ව්‍යාපාර ලිපි ශීර්ෂයක ලියන ලද ඉල්ලුම්පතක් 2014 ජූලි 2 දින සිට 2014 ජූලි 25 දින දක්වා සතියේ වැඩකරන දිනවල පෙ. ව 9.00 සිට ප. ව. 3.00 දක්වා ඉදිරිපත් කිරීමෙන් ලබා ගත හැකිය.

05. සම්පූර්ණ කරන ලද ලංසු ලේඛන අඩංගු කවරයේ වම්පස උඩකෙලවරේ **"සුනිත්‍යාලෝක වැඩසටහන"** යන්න සඳහන් කර ශ්‍රී ලංකා සුනිත්‍ය බලශක්ති අධිකාරියේ පරිපාලන අංශයේ තබා ඇති ලංසු බහාලන පෙට්ටියට හෝ අංශ ප්‍රධානී (සහාය සේවා) , පරිපාලන අංශය, ශ්‍රී ලංකා සුනිත්‍ය බලශක්ති අධිකාරිය, 3G - 19, BMICH, බෞද්ධාලෝක මාවත, කොළඹ 07 ලිපිනයට ලියාපදිංචි තැපෑලෙන් හෝ 2014 ජූලි 28 දින ප. ව 02.00 ට පෙර යොමුකළ යුතුය. ප්‍රමාද වී ලැබෙන ලංසු ප්‍රතික්ෂේප කරනු ලැබේ. ලංසු භාර ගැනීමේ වේලාව අවසන් වීමත් සමඟ පහත සඳහන් ස්ථානයේදී විවෘත කරනු ලබන අතර ඒ සඳහා ලංසුකරුට හෝ ඔහුගේ නියෝජිතයකුට සහභාගී විය හැකිය. නියමිත වේලාවට ලංසු විවෘත කරනු ලබන බැවින් ඊට විනාඩි 10 කට පෙර පැමිණෙන ලෙස උපදෙස් දෙනු ලැබේ.

06. පහත සඳහන් ලිපිනයේදී 2014 ජූලි 14 දින පෙ. ව.10.30 ට පැවැත්වෙන පූර්ව ලංසු රැස්වීමට සහභාගි වන ලෙස ආරාධනා කරනු ලබන අතර පැමිණීම සඳහා ගෙවීම් කරනු නොලැබේ.

සභාපති
ප්‍රසම්පාදන කමිටුව
ශ්‍රී ලංකා සුනිත්‍ය බලශක්ති අධිකාරිය
5 වන ගොඩනැඟිල්ල, පළමු මහල, BMICH, බෞද්ධාලෝක මාවත, කොළඹ 07.
2014 ජුනි 27

• **ලංසු විවෘත කිරීම:- 2014 ජූලි 28 දින ප.ව.02.00 සිදුකෙරේ**

Scope of Programme

The Sri Lanka Sustainable Energy Authority (SLSEA) wishes to support the government policy target set by the *Mahinda Chinthana* of providing electricity to 100% of the households in Sri Lanka by the end of 2014. In that context the programme "Sunithyaloka" with the aim of providing electricity to the households that are away from the national grid using off-grid, renewable energy solutions has been initiated. As the Phase 1, the programme is initiated with providing of 1,200 off-grid solar home system to the households that are in the non accessible areas to the National Grid. SLSEA has provided in **annex A** considering non-electrification area under phase 1 of this programme.
The said programme will be executed by three parties, namely Sri Lanka Sustainable Energy Authority (SLSEA), Facilitating Agency (FA) and Technical providing company (Supplier). The task of each party is given below.

SLSEA
The SLSEA has decided to involve an existing Rural Consumer Network as a Facilitating Agency and a suitable suppliers to fulfil the below mentioned tasks and to support SLSEA in ensuring the sustainability operating the solar home system for many years.
This scheme of finance would comprise of subsidy component and loan component. Subsidy component is Rs.30,000.00 per house which undergo by SLSEA and directly pay to the suppliers on recommendation of beneficiaries and FA.
SLSEA Engineers and Technical staff are responsible for monitoring the tasks of other two parties and giving certification for payments.

SLSEA provide the list of villages to FA. FA should select the suitable consumer according to the list who lives in non accessible areas where extension of the grid is not possible within next five years.

Apart from the subsidy component, SLSEA will further discuss potential- Bank and other financial agencies to implement loan mechanism for the target beneficiaries in order to pay the up-front balance payment to the suppliers.

FA
Visit the listed villages, mobilize the community and select the villagers who are willing to get off grid solutions.

a. Provide a list of households who are willing to install solar home systems
b. Coordinate with the technology providing company and monitor the installation of the systems
c. If the financial assistance given by the programme is not adequate and if the consumers need financial assistance, arrange the necessary facilities to the consumers with the banks. Balance amount will be paid by customer as obtained loan in an agreed manner.
d. Monitor the progress of the project and periodical reporting of the project.
e. Two parties (FA & Suppliers) should be responsible for the sustainably operation of the system for many years.
f. Recommend payments to supplier

Technical providing company (Suppliers)

a. Supply the requested solar home system as per the specification without delay
b. Delivery, install and commission to the selected homes within one week period
c. Providing the necessary documentation (warranty agreement & manuals) and demonstration to the customers
d. Providing the necessary technical training to beneficiary and local activist of the FA
e. Selected suppliers discuss with FA and decides the final completion date of the installation. But all systems expect to be installed when 31 March 2015.
f. Apart from the warranty period, suppliers should agree for providing after sales service and maintenance the sufficient spare parts for sustainably operating the systems for many years through FA (At least five years)
g. Suppliers cannot increase the price of the system during the project period, without obtain a consent from SLSA

NB

Bidder should not be allowed any comments, changes, propose or any adding to this bid document. But bidder could be allowed for such things in the pre-bid meeting. If SLSEA agreed with your comments which add to the bid document as an amendment.

All party should be signed the try party agreement for the executing the task successfully.

Section II. Bidding Data Sheet (BDS)

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

ITB Reference	A. General
1	The Purchaser is beneficiaries
2	The name and identification number of the Contract are "**Selecting the Suppliers for Sunithyaloka Programme to Provide off- grid solar home systems**" No: SEA/RE/04/01/2014/Pro-03
3	Finance would comprise government subsidy and loan component. SLSEA subsidy – Rs. 30,000/= per off-grid house hold Financial Institute - loan component(This is the balance payment)
	B. Contents of Bidding Documents
4	For **Clarification of bid purposes** only, the contact address is: Attention: Engineer(RE) Address: Sri Lanka Sustainable Energy Authority, Block 05, 1st floor ,BMICH, Colombo 07 Telephone: 0112677445/ 0715344175 Facsimile number: 0112682534/ 0112682969 Electronic mail address: sooriyakumara@energy.gov.lk
5	The price shall be fixed during the project period
	C. Preparation of Bids
6	The bidder shall quote all prices in Sri Lankan Rupees only. If it is not, that bid will be rejected.
7	**Eligibility & Qualification requirements:** (i). Bids may be submitted by any reputed Solar Manufacturer who has a registered business in Sri Lanka or any accredited local agent who takes fullest responsibility for the whole bid. The local agent shall submit evidence of status, obligations, power of attorney and any other documentary evidence that he is duty authorized and eligible to bid on behalf of the manufacturer.

	(ii) The bidders should also have previous experience of at least five years in the supply/installed and maintenance of stand-alone off grid solar home systems in Sri Lanka (Evidence of registration of business, with evidence-list of address, no. of systems were sold & present situation) and also technical and financial capability necessary to perform the contract. (iii). Bidder shall not have been blacklisted. (iv) Bidders are requested to submit Manufacturer's Authorization Certificate as per the Sample format given in Section IV. (v) They should posses the Certificate of Business Registration issued by a Government Authority of Companies/Provincial Registrar of Business in the relevant field. (vi) Bids will be rejected as non-responsive if documentary evidence in proof of above has not been provided.
8	Period of time the Goods are expected to be functioning within project period. **Suppliers should be able to provide spare parts for many years of operation (At least 5 years).**
9	After sales service is required(See Annex B)
10	The bid shall be valid until 21 January 2015(Minimum 6 month from 2014 July)
	D. Submission and Opening of Bids
11	The inner and outer envelopes shall bear the following identification marks **No: SEA/RE/04/01/2014/Pro-03** and **Sunithyaloka Programme**
12	For bid submission purposes, the contact address is: Sri Lanka Sustainable Energy Authority Attention : Head(Support Service) Address : Sri Lanka Sustainable Energy Authority, Block 05, 1st floor ,BMICH, Colombo 07 The deadline for the submission of bids is: Date: 09 July 2014 Time: 1400 hrs
13	The bid opening shall take place at: Address: Sri Lanka Sustainable Energy Authority, Block 05, 1st floor ,BMICH, Colombo 07 Date: 09 July 2014

	Time: 1400 hrs Bidders are kindly requested to attend before 10 minute of the bid opening event to prevent any delay. Bidders are not allowed to enter while bid opening event.
	E. Evaluation and Comparison of Bids
14	Domestic preference shall not be a bid evaluation factor.(See Section III)
15	Bidder should quote for all items of one unit in page 16. SLSEA & FA allow to selected bidders who decided the supply quantities on awareness the beneficiaries after awarding the contract. Interest bidder mention unit price in page 19.
16	The Employer reserves the right to accept or reject any Bid or accept part of items, and to cancel the bidding process and reject all Bids, at any time prior to the award of Contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for the Employer's action.
17	The law of Democratic Socialist Republic of Sri Lanka is applicable
18	Within fourteen(14) days of the receipt of notification of award, the successful five bidders shall furnish the performance security in accordance with the CC(issued by bank or any commercial bank operated within Sri Lanka and registered under central bank of Sri Lanka)
19	A bidder that is under a declaration of ineligibility by any government institute, at the date of submission of bids or at the date of contract award, shall be disqualified.

Section III
Evaluation Criteria

a. After opening the bids, the Technical Evaluation Committee (TEC) will undertake the detail study and evaluation of the Bids received to determine the substantially responsive five Bidders among others and after that ranking of ascending as per considering price.

b. Prior to the detail evaluation of Bidders the TEC will determine whether each Bidder has fulfilled the followings. Bids are rejected if they do not have the following.

(1) Meets the eligibility criteria
(2) Whether required documents are submitted properly and signed.
(3) Substantial responsiveness of the bidder to the requirements/conditions
(4) Necessary warranty required.
(5) Past Experience and Performances
(6) Human resources availability of the company
(7) Previous/Present client list

c. After that preliminary examination of above, the TEC will attend to a detail examination of Bidders considering the following:

(1) Total Prices
(2) Conformity with specifications
(3) Financial Stability
(4) After Sale Service
(5) Delivery Schedule
(6) Installation and commissioning period
(7) Technical Capacity
(8) Able to maintain the spare parts after warranty period
(9) Technical verification certificates of all parts of the system (if necessary, Supplier should be able to provided this during the project period as well)

Section IV. Bidding Forms

Table of Forms

Bid Submission Form.....

Price Schedule:.....

Price and Completion Schedule - Related Services .....

Bid Security (Guarantee) .....

Manufacturer's Authorization .....

(Please fill in page 15, 16)

Bid Submission Form

Date: *[insert date (as day, month and year) of Bid Submission]*
No.: *[insert number of bidding process]*

To: Director General, Sri Lanka Sustainable Energy Authority
Block 05, 1st floor, BMICH, Colombo 07

We, the undersigned, declare that:

(a) We have examined and have no reservations to the Bidding Documents, including Addenda No.: *[insert the number and issuing date of each Addenda];*

(b) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods (solar panel, battery, controller, bulbs, universal mobile different output jack set with Mobile charger, DC cables, related fixing accessories), Related Services (necessary training with after sale service) and sample of sale document (warranty certificates / operational manual)

(c) The total price of our Bid without VAT, including any discounts offered is: *[insert the total bid price in words and figures];*

(d) The total price of our Bid including VAT, and any discounts offered is: *[insert the total bid price in words and figures];*

(e) Our bid shall be valid for the period of time specified in ITB Clause 10, from the date fixed for the bid submission deadline in accordance with ITB Clause 12, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

(f) If our bid is accepted, we commit to obtain a performance security in accordance with ITB Clause 18 and CC Clause 7 for the due performance of the Contract;

(g) We have no conflict of interest in accordance with ITB Clause 19

(h) Our firm, its affiliates or subsidiaries including any subcontractors or suppliers for any part of the contract has not been declared blacklisted by the National Procurement Agency or Department of Public Finance or any other Government institute.

(i) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.

(j) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Signed: *[insert signature of person whose name and capacity are shown]*
In the capacity of *[insert legal capacity of person signing the Bid Submission Form]*

Name: *[insert complete name of person signing the Bid Submission Form]*

Duly authorized to sign the bid for and on behalf of: *[insert complete name of Bidder]*

Dated on _____ day of _____, _____ *[insert date of signing]*

…….
Common Seal

Bid Submission Form

Date: ……
No.: ……

To: Director General, Sri Lanka Sustainable Energy Authority
Block 05, 1st floor, BMICH, Colombo 07

We, the undersigned, declare that:

(a) We have examined and have no reservations to the Bidding Documents, including Addenda No.: ……

(b) We offer to supply in conformity with the Bidding Documents and in accordance with the Delivery Schedules specified in the Schedule of Requirements the following Goods (solar panel, battery, controller, bulbs, universal mobile different output jack set with Mobile charger, DC cables, related fixing accessories) and Related Services (necessary training with after sale service)

(c) The total price of our Bid without VAT, including any discounts offered is: ……

(d) The total price of our Bid including VAT, and any discounts offered is: ……..

(e) Our bid shall be valid for the period of time specified in ITB Clause 10, from the date fixed for the bid submission deadline in accordance with ITB Clause 12, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;

(f) If our bid is accepted, we commit to obtain a performance security in accordance with ITB Clause 18 and CC Clause 7 for the due performance of the Contract;

(g) We have no conflict of interest in accordance with ITB Clause 19

(h) Our firm, its affiliates or subsidiaries including any subcontractors or suppliers for any part of the contract has not been declared blacklisted by the National Procurement Agency or Department of Public Finance or any other Government institute.

(i) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.

(j) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

Signed: ……..

In the capacity of ……..

Name: ……

Duly authorized to sign the bid for and on behalf of: ……..

Dated on _____ day of _____, _____ ……..

……
Common Seal

Price Schedule

*[The Bidder shall fill in these Price Schedule in accordance with the instructions indicated. The list of line items in column 2 of the **Price Schedules** shall coincide with the List of Goods and Related Services specified by the project implementer in the Schedule of Requirements.]*

(See page 18)

(VI). SCHEDULE OF REQUIREMENTS

1. **Bidders should** quote for all items of one unit. Table: 01
2. **Evaluation will be based on** each item separately complying with specifications.
3. The Chairman, Procurement committee reserves the right to accept or reject any or all bids and to accept a part of the offer before awarding the contract. .

Item Number	Brief Description for One Unit	Specifications	Make	Model	Country of Origin	Year of Manufacture	Quantity of components per one system	Minimum warranty Requirements
1.	Solar Panel	See Table 05					01	20 Year
2.	5.0 W DC LED Lamp						05	02 Year
3.	SMF deep cycle 70 Ah VRLA Battery						01	02 Year
4.	Charge Controller						01	05 Year
5.	Mobile Charger						01	01 Year
6.	Universal Mobile Different Output Jack set						01	01 Year
7.	DC Cable ,Connection Box and all other necessary fixing accessories						01	01 Year
8.	User Manual*	----------	----------	----------	----------	----------	01	----------

Note

***User manual should be provided in own languages as per ethnic of the people for selected areas for individual house while installing the system.**

PRICE SCHEDULE

Table: 02

Item. No.	Description	Place of Delivery & installation	Delivery Period in Days from issue of awarding letter	Unit Rate. (Rs. & Cts)	Any Discount offered	Unit Price (Rs. & Cts.)	VAT (Rs. & Cts)
1.	Supply, Delivery , Installation, Commissioning and Maintenance* of the Solar Home Systems	See Annex A	60				

……..
Bidders Signature

…….
Common Seal

* Maintenance – Free maintenance period of bidder offered

.

Manufacturer's Authorization (This letter should be provided for separate components- Mainly Solar panel, charge controller, battery, LED bulbs, DC cables)

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its bid, if so indicated in the BDS.]

Date: *[insert date (as day, month and year) of Bid Submission]*
No.: *[insert number of bidding process]*

To: Sri Lanka Sustainable Energy Authority, Block 05, 1st floor, BMICH, Colombo 07

WHEREAS

We *[insert complete name of Manufacturer],* who are official manufacturers of *[insert type of goods manufactured],* having factories at [insert full address of Manufacturer's factories], do hereby authorize *[insert complete name of Bidder]* to submit a bid the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods],* and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 27 of the Conditions of Contract, with respect to the Goods offered by the above firm.

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: *[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: *[insert title]*

Duly authorized to sign this Authorization on behalf of: *[insert complete name of Bidder]*

Dated on _____ day of _____, _____ *[insert date of signing]*

Section V. Schedule of Requirements

Contents

1. List of Goods and Delivery Schedule.....
2. List of Related Services and Completion Schedule .....
3. Technical Specifications.....
4.. Drawings .....
5. Inspections and Tests.....

1. List of Goods and Delivery Schedule

Table: 03

Item No	Description of Goods	Unit	Maximum Quantity	Final (Project Site) Destination as specified in BDS	Delivery Date	
					Required Delivery Date (From date of awarding letter)	Bidder's offered Delivery date [to be provided by the bidder]
01	50 W Solar home system (5 W LED ultra efficiency bulb, PV Solar Panels, Charge controller, Battery, DC wires, Mobile Charger, Universal Mobile Different Output Jack set and all necessary fixing accessories & Manual) (See table : 01)	Sets	1200	See Annex A	Awarding-31 July 2014 Delivery-30 September 2014	

Note

The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, free from defects and that they incorporate all recent improvements in design and materials.

Table: 04

2. List of Related Services and Completion Schedule

Service	Description of Service	Unit	Maximum Quantity	Place where Services shall be performed	Final Completion Date(s) of Services
01	Installation and Commissioning of the system with free maintenance	Set	1200	See Annex A	As per the selected bidders discuss with FA but all system will be installed before 31 March 2015

3. TECHNICAL SPECIFICATIONS **Table: 05**

[The Technical specifications may be provided in the following format. The bidder shall fill the columns 6 and 7. Bidder's failure to provide the information requested in the columns 6 and 7 may be a reason for the rejection of the bid. If any discrepancy is observed between the information provided by the bidder in the columns 6 and 7 and the other technical information attached to the bid, the information provided herein shall take precedence.]

Item No	**Item**	**Feature**	**Purchaser's Requirements**		**Bidder's Offer**		**Remarks**
				Minimum Warranty	**Yes(Y)**	**No(N)**	
1	PV Solar panel	Type	Mono crystalline	20 Year			
		Capacity	50 W				
		Weight	Please mention				
		Front Glass	3.2 mm tempered high transmission glass. Low iron				
		Efficiency	15 % or higher				
		Open circuit voltage	Please mention				
		Nominal voltage	12 V				
		Maximum Power Voltage	Please mention				
		Maximum Power Current	Please mention				
		Short circuit current	Please mention				
		Operating Temperature	0^0 C to 85^0 C				
		Operating Humidity	0% - 100%				
		Junction Box	Sealable and moisture resistance				
		Frame	Aluminum or resist to corrosion				

		Certification	Provide				
		Standard	Please mention				
2	Solar charge controller – MPPT controller	Max PV input	40 – 100 W	05 Years			
		MPPT system voltage	12/24V				
		Maximum charging current	Please mention				
		Display	LED				
		Operating Temperature	0^0 C to 85^0 C				
		Operating Humidity	0% - 100%				
		Indicator	Charging, Charging Full, Medium, Battery Low, Load Cut- Off				
		Protection	Battery Over Voltage & Under Voltage Cut- Off, Reverse Polarity, Reverse Current at night, Lightning Protection				
		Low Battery Load Disconnect	Please mention				
		Low Battery Load Reconnect	Please mention				
		Topicalization	Conformal Coated printed Circuit Board, Corrosion Resistance Terminals				
		Self Consumption	Please mention				
		Certification	Please provide				
3	12 V 70 Ah battery	Type	Fully sealed maintenance free Deep cycle battery (SMF)/ Valve Regulated Lead-Acid(VRLA)	02 Year			
		Full Charge	Please mention (Usage)				
		Charge	Please mention (Usage)				
		Charging time	Please mention(Full)				
		Temperature Range	0^0 C to 85^0 C				

		Operating Humidity	0% - 100%				
		Self discharge	Less than 10 %				
		Design life time	Please mention				
		Weight	Please mention				
		Autonomy	3 Days				
		Certification	Please provide				
4	Bulb	LED/ DC	Ultra efficient with heat sink	02 Years			
		Lighting color	Pure White				
		Operating Voltage Range	Please mention				
		Power	5 W				
		Base type	Screw				
		Design life time	40,000 hrs or higher				
		Lumens	450-500 vertical (± 5% accuracy)				
5	DC Cable ,Connection Box and other all fixing necessary accessories		Please provide the details				
6	Mobile Charger		Providing any type of hand phone can be charged				
7	Universal Mobile Different Output Jack set		Jacks can be used to any type of hand phone				

N: B

- Brochures should be provided for all components.
- Operation demonstrations should be provided for customers.

- At least one/two person will be trained for minor repair from each area/village
- After sales service should be mentioned (See Annex B)
- Provide all serial numbers of each item for installed system. All houses are provided customer check sheet. Format of the check list will be received to the supplier by SLSEA.
- Provide the warranty card for all items to the customers

4. Drawings

These Bidding Documents does not include the drawings.

5. Inspections and Tests

Selected bidders are requested, the following inspections and sample tests shall be performed by related institutions if it is needed.

PV Solar panel, battery

Sample test reports of above all items should be provided from receiving National Engineering Research and Development Centre (NERD)

Solar charge controller (MPPT controller)

Sample test report of above item should be provided from receiving University of Moratuwa.

LED Bulb

Sample test report of LED bulb should be provided from Regional Center for Lighting (RCL). Office is in the BMICH premises (Block 05, 2nd floor)

Installation & Commissioning

Normally Inspection is done by Facilitating Agency (FA). SLSEA will check the system randomly before and after installing.

Item No	Description of Goods	Serial No	Physical Condition		Working Condition	
			Good	Bad	Good	Bad
1	Solar Panel					
2	5.0 W DC LED Lamp					
3	SMF/ VRLA deep cycle 70 Ah Battery					
4	Charge Controller					
5	Mobile Charger					
6	Universal Mobile Different Output Jack set					
7	DC Cable ,Connection Box and all other necessary fixing accessories					
8	Installation & Commissioning					

Technical Inspections and Tests

Physically checked by : (Signature of technical person level 1)

Technically inspected by : (Signature of technical person level 2)

Certified by : (Signature of technical person level 3)

Section VII. Contract Data

The following Contract Data shall supplement and / or amend the Conditions of Contract (CC). Whenever there is a conflict, the provisions herein shall prevail over those in the CC.

CC 1	The Purchaser is beneficiaries
CC 2	Final Destinations are in the given list (See Annex A)
CC 3	For **notices**, the contract address shall be: Attention: Chairman, Procurement Committee Address: Sri Lanka Sustainable Energy Authority Blok 05, 1th floor, BMICH, Colombo 07 Telephone: 0112677445/ 0715344175 Facsimile number: 0112682534/ 0112682969 Electronic mail address: sooriyakumara@energy.gov.lk
CC 4	The rules of procedure for arbitration proceedings pursuant CC Clause …… shall be as arbitration Act, 11 of 1995 with single arbitrator.
CC 5	Details of Shipping and other Documents to be furnished by the Supplier are -Not Applicable-
CC 6	The method and conditions of payment to be made to the Supplier under this Contract shall be as follows: **(a) First Payment:** While installing the systems, first payment will be paid by beneficiaries as received loan component. **(b)** Final payment (Rs.25, 000/=) will be paid by SLSEA according to the conformation of FA and beneficiaries under installing properly and operating successfully. **(c)** Five thousand Rupees (Rs.5000/=) will be retained from each system until after the warranty period (Free maintenance). Free maintenance period should be minimum one year. If the bidder offered free maintenance period for more years, the purchaser will release retaining amount as the equal part year by year. Method of releasing the retained amount will be detemined after selecting the suppliers.
CC 7	A Performance Security (Rs. 600,000/=) shall be required. Performance security will be released at the end of successful

	completion of the installed systems.
CC 8	The inspections and tests shall be required (See page 30)
CC 9	The Inspections shall be conducted by related experienced Engineers from SLSEA and the Facilitating Agency
CC 10	Selected bidders should be willing to sign try party contract agreement with SLSEA and FA.
CC 11	
CC 12	The period of contract of defects in the warranty period is within 07 days. If the supplier is being notified, fails to remedy the defect(s) within seven (07) working days, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expenses and without prejudice to any rights which the purchaser may have against the supplier under the contract. Purchaser will do break down and deduct the cost of such repairing from retaining amount if suppliers fail to attend the repairing within notified period in free maintenance period.
CC 13	**Maintenance Services** (a) Free maintenance services shall be provided by the Supplier during the period of warranty. After Completion of the warranty period the contractor or the supplier should sign the maintenance agreement. (a) For supply the spare parts to FA (b) For giving technical input if it is needed

Section VIII.
Contract Forms

1. Contract Agreement
2. Performance Security

1. Contract Agreement (Draft)

THIS CONTRACT AGREEMENT is made the [insert: number] day of [insert: month], [insert: year].

BETWEEN

(1) Director General, Sri Lanka Sustainable Energy Authority, Block 05, 1st Floor, BMICH, Colombo 07 (hereinafter called "SLSEA"),

(2) Coordinator, Facilitating Agency ……..(hereinafter called "FA")

(3) [insert name of Supplier], a corporation incorporated under the laws of [insert: country of Supplier] and having its principal place of business at [insert: address of Supplier] (hereinafter called "the Supplier").

WHEREAS the SLSEA invited bids for certain Goods and ancillary services, viz.,
Supply, Delivery, Installation, Commissioning and free maintenance of off grid Solar Home Systems and has accepted a Bid by the Supplier for the supply of those Goods and Services in the sum of [insert Contract Price in words and figures, expressed in the Contract currency(ies)] (hereinafter called "the Contract
Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. The following documents shall constitute the Contract between the project implementer and the Supplier, and each shall be read and construed as an integral part of the Contract:

(a) This Contract Agreement
(b) Contract Data
(c) Conditions of Contract
(d) Technical Requirements (Including Schedule of Requirements and Technical Specifications)
(e) The Supplier's Bid and original Price Schedules
(f) The project implementer's Notification of Award
(g) Supplier's acceptance
(h) Performance Security
(g) Contract agreement with FA on ……

3. This Contract shall prevail over all other Contract documents. In the event of any discrepancy or inconsistency within the Contract documents, then the documents shall prevail in the order listed above.

4. In consideration of the payments to be made by the SLSEA to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.

5. The SLSEA hereby covenants to pay the Supplier in consideration of the provision of the Goods and Services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of Democratic Socialist Republic of Sri Lanka on the day, month and year indicated above.

On behalf of the SLSEA

Signed: [insert signature]
in the capacity of [insert title or other appropriate designation]

On behalf of the FA

Signed: [insert signature]
in the capacity of [insert title or other appropriate designation]

On behalf of the Supplier

Signed: [insert signature of authorized representative(s) of the Supplier]
in the capacity of [insert title or other appropriate designation]

In the presence of witnesses

For SLSEA

1……

For FA

2……..

For Supplier

3……

2. PERFORMANCE SECURITY
(Unconditional)

---------- *[Issuing Agency's Name, and Address of Issuing Branch or Office]* ----------

Beneficiary: ---------- *[Name and Address of* Employer*]*

Date: ----------

PERFORMANCE GUARANTEE No.: ----------

We have been informed that ---------- *[name of Contractor]* (hereinafter called "the Contractor") has entered into Contract No. ---------- *[reference number of the Contract]* dated ---------- with you, for the ---------- *[insert "contract"]* of ---------- *[name of Contract and brief description of* Works*]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the Conditions of the Contract, a performance guarantee is required.

At the request of the Contractor, we ---------- *[name of Agency]* hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ---------- *[amount in figures]* (----------) *[amount in words]*, upon receipt by us of your first demand in writing accompanied by a written statement stating that the Contractor is in breach of its obligation(s) under the Contract, without your needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the …. day of ……, 2014 *[insert date, 28 days beyond the Time for Completion]* and any demand for payment under it must be received by us at this office on or before that date.

_____
[signature(s)]

Annex - B

Item. No	Descriptions	Bidders Response
1	Availability of stocks	
2	Do you have storage capacity?	
3	How many years do you offer the free of charge service for the system?	
4	Taxes (Pls. attach copy of VAT certificate of registration, if any)	
5	After sale service(Maintenance) i. How many dates/hours are required to attend from the failure notified date? ii. How do you arrange to sign the service agreement after system warranty period ? iii. How many days are needed to repair the item from notified date ?	

Annex-D

Check List for Bidder

No	Item	Yes(tick)	Reference
1	Table 01		
2	Table 02		
3	Table 03		
4	Table 05		
5	Annex B		
6	Product Certification		
7	Company Certification		
8	Manufacture Authorization letters		
9	Brochures/Manuals		
10	VAT certificate of registration(if any)		
11	Each Warranty		
12	Bid submission form		
13	Bid security		

ANNEX - A

Identification of Rural Villages for Electrification through Solar home systems

Province	Nos of Villages	Nos of Households
Central Provinc	26	2,924
Wayamba Province	444	12,971
Sabaragamuwa Province	195	7,678